

LENFELD J.

CZECH

New chemical tests for the determination of alkalinity of glass. Naděžda Coufalíková and J. Lenfeld (Masarykova Univ., Brno, Czech.). *Formacia* 23, No. 13 (1954).—A 0.05% EtOH soln. of phenol red or 0.01% soln. of bromosulfophthalein are more sensitive indicators for the detn. of the alky. of ampuls than phenolphthalein. With these reagents it was shown that ampuls do not lose their alky. on boiling in 0.01*N* HCl. K. Mack

LENFELD, Jiri

Biological evaluation of the ether. Scripta med., Brno 27 no.3-4:
53-60 1954.

1. Z farmakol. ustavu lek. fak. Masarykovy univ. v Brne, prednosta
prof. dr. Jere Stefl, Z farmacol. ust. lek. fak. Palackeho univ. v
Olomouci, vedouci ustavu dr. Jeri Lenfeld.

(ETHER, ETHYL, anesthesia and analgesia
biol. method of evaluation of eff. of ether in
anesth. of animals, new appar.)

(ANESTHESIA, INHALATION
ether, appar. for biol. evaluation of eff. in animals)

LENFELD, Jiri

M D
✓The effect of cork on the narcotizing properties of non-stabilized ether. Jiri Lenfeld. Scripta Med. Fac. Med. Univ. Masaryk. et Palack. 28, 155-68 (1955) (English summary).—A special procedure for the study is described. The effect of various factors, especially of the presence of ether-sol. cork impurities, in nonstabilized ether on anesthesia has been investigated. The presence of ether-sol. cork substances lowers its anesthetic power, so that more ether must be used. This effect persists even after the impurities have been removed by redistn. to the extent that they cannot be detected. The presence of cork impurities intensifies the deleterious effects caused by autoxidative decompn. This applies especially to secondary toxic effects. Pos. reactions for the presence of products of autoxidation and of cork impurities may be demonstrated at the same time. Contrary to other investigators, L. believes that the cork impurities exert unfavorable effects on the pharmacol. properties of ether. The significance of these findings to clinicians and surgeons is emphasized. B. S. Levine

MD ✓Experimental and clinical re-evaluation of the antirheumatic effect of *Convallaria majalis* and *Adonis vernalis*. L. Klabusay, M. Kroutil, J. Lenfeld, K. Trnávský, M. Vykylal, and J. Žemánek (Fářnického Univ., Olomouc, Czech.). *Casopis Lékařů Českých* 94, 738-42(1955).—Freshly prep'd. and subcutaneously administered ext. from *A. vernalis* (I) suppressed the hyaluronidase (II) edema in intact rats, whereas in adrenalectomized rats it caused a slight enhancement of the II edema. The ext. from *C. majalis* (III) acted only slightly in suppressing the II edema in intact rats but enhanced the edema in adrenalectomized animals. Saponin (IV), Na oleate, and taurocholate also inhibited II edema. Formalin arthritis was induced and its course observed daily for 12 days. In all groups of untreated intact rats the development of arthritis continued during this time. Daily subcutaneous treatment with 3 ml. (per kg. body wt.) of a 2% ext. of III or I or daily administration of 10 mg. IV, either subcutaneously or orally, strikingly improved the symptoms in intact rats; the III group was practically healed on the 9th day. The course of arthritis in the untreated adrenalectomized group was similar to the controls or slightly better. III was without curative effect in adrenalectomized rats; I slightly impaired the course of arthritis in adrenalectomized rats. Both subcutaneous and oral IV showed curative effect even in the adrenalectomized group. IV was ineffective when the arthritis was stabilized by a 2nd administration of HCIO. Antiarthritic effect of III and I, but not of IV, appears mediated by the adrenals. Twenty patients with arthritis or other diseases of joints were treated with III tincture (20 drops 3 times a day up to 250 ml.). No striking therapeutic effect was apparent.

I. M. Haas

(5)

CZECHOSLOVAKIA/Pharmacology. Toxicology. Therapeutic Drugs of Enzymatic Origin V

Abs Jour : Ref Zhur - Biol., No II, 1958, No 52036

Author : Lenfeld J., Klabusay L.

Inst : -
Title : Rhonidase

Orig Pub : Voyen.-med. Zh., 1956, No 1, 94

Abstract : Rhonidase (I), a protein preparation from bull's testicles possesses hyaluronidase activity. I-a homogenous, finely ground powder of light yellow color is recommended for external application in ulcers and Dupuytren contractures, chronic indolent ulcers, etc. It is administered daily for periods of 15-60 days according to the effect. The dose of administered I is determined by the area of the lesion. I is spread on a sterile pad of gauze, moistened by a sterile solution and is applied to the lesion; the gauze is covered with wax paper. The administration of I is contraindicated in tuberculosis and malignant tumors.-- D.A. Bystroletov

Card : 1/1

LENFELD J.
EXCERPTA MEDICA Sec.6 Vol.11/3 Internal Med. Mar 57

1517. LENFELD J., KLABUSAY L. and TRNAVSKÝ K. Farmakol. Úst. Lék.
Fak. PU, Olomouc. *Příznivé ovlivnění serotherapy tetanu hyaluronidasou.
Improved serotherapy of tetanus using hyaluronidase
ČSL. FYSIOL. 1956, 5/1 (64-69) Graphs 5
75% of mice given tetanus toxin survive if treated with this combination. It is re-
commended to give serum s.c. or i.p. and hyaluronidase i.v. (10 I.U./20 g. weight).
Hahn - Prague (XX, 2, 6, 8)

CZECHOSLOVAKIA/Pharmacology and Toxicology. Narcotics

7-1

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71068

Author : Lenfeld J., Klabusay L., Malinsky J.

Inst : -
Title : Late Manifestations of the Stopethyl Phenomenon

Orig Pub : Ceskosl. fysiol., 1956, 5, No 2, 231-234

Abstract : Stopethyl (tetraethylthiuran disulfide) (S), which is used for the treatment of alcoholism, was administered to guinea pigs in a dose of 0.25 g/kg during 3 days. After 28 days, a 20 percent solution of ethyl alcohol (E) was injected intraperitoneally in a dose of 1 ml/100 g. (at the end of the experiment, 1.5 ml/100 g) to the same animals, once in 2 weeks during 73 days. Two weeks after the last injection of E, a histologic examination was effected. Discovered were: injuries of the liver (perivasular infiltrates, increased acidophilia of the liver cells, necrotic foci with proliferation, and others), kidneys (hyperemia, interstitial and perivasular infiltrates), and lungs (in 50 percent of

Card : 1/2

Lenfeld, J.

CZECHOSLOVAKIA/Pharmacology and Toxicology - Acnenergics

v.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 9117

Author : Lenfeld, J., Kroutil, M., Zemanek, J., Holanova, J.

Inst :

Title : Effects of Quercetin Upon the Uterus, Heart and Blood Pressure and Its Relation to the Action of Adrenalin and Ergotamine

Orig Pub : Scripta med., 1956, 29, No 7-8, 289-306

Abstract : Quercetin (Q) induces contractions of the isolated uterus of rabbits, rats and guinea pigs (in rabbits, with a lesser effect than adrenalin (A)). The stimulating action of Q on the uterus is weakened by ergotamine (E), but to a lesser degree than the action of A. Q acts upon the sympathetic nervous system and directly upon the smooth musculature of the uterus. The cardiotonizing action of Q, unlike the action of A, is not inhibited by E both in the normal and in the fatigued heart.

Card 1/2

LENFELD, J.; KROUTIL, M.; ZEMANEK, J.; KROUTILOVÁ, J.

Antiphlogistic effect of emetine. Česk. fysiol. 7 no. 3:270 May 58.

1. Farmakologicky ustav lek. fak. PU, Olomouc.

(EMETINE, eff.

antiphlogistic (Cz))

(INFLAMMATION, exper.

antiphlogistic eff. of emetine (Cz))

LENFELD, J.; KROUTIL, M.; ZEMANEK, J.

Effect of urethane, demecolcine and podophyllotoxin on experimental inflammation. Cesk. fysiol. 7 no.3:271 May 58.

1. Farmakologicky ustav lek. fak. PU, Olomouc.
(INFLAMMATION, experimental,
eff. of demecolcine, podophyllotoxin & urethane (Cz))
(URETHANE, effects,
on exper. inflamm. (Cz))
(PODOPHYLLUM,
podophyllotoxin, eff. on exper. inflamm. (Cz))
(COLCHICUM,
demecolcine, eff. on exper. inflamm. (Cz))

KROUTIL, M.; ZEMANEK, J.; LENFELD, J.

Decrease of anti-exudate effect of phenylbutazone and α -ketophenylbutazone by aminopyridine. Cesk. fysiol. 7 no.4:329-330 July 58.

1. Farmakologicky ustav lekarske fakulty PU, Olomouc.

(AMINOPYRINE, effects,

on anti-exudate eff. of phenylbutazone & α -ketophenylbutazone (Cz))

(EXUDATES AND TRANSUDATES,

anti-exudative eff. of phenylbutazone & α -ketophenylbutazone, reversal by aminopyrine (Cz))

(PHENYLBUTAZONE, eff.
same)

LENFELD, J.

Pharmacological studies on neurohumoral regulation of inflammation.
Cesk. fysiol. 7 no.4:331-333 July 58.

1. Farmakologicky ustav lek. fak. PU. Olomouc.
(INFLAMMATION, exper.
eff. of analeptics (Cz))
(ANALEPTICS, eff.
on exper. inflamm. (Cz))

ROTSCHILD, L.; LENFELD, J.; JORDA, V.; MALINSKY, J.

Effect of emetine on phlebitis. Cesk. fysiol. 7 no.4:333-334 July 58.

1. Dermatologicka klinika, farmakologicky a histologicky ustav lek.
fak. PU, Olomouc.

(EMETINE, effects,
on exper. phlebitis (Cz))
(PHLEBITIS, exper.
eff. of emetine (Cz))

LENFELD, J.; JEZDINSKY, J.; KROUTIL, M.

Further studies on antipyretic effect of emetine. Cesk. fysiol. 7 no.5:
500-501 Sept 58.

1. Farmakologicky ustav lek. fak. PU, Olomouc.
(EMETINE, effects.
antipyretic in rats (Cz))
(ANTIPYRETICS,
antipyretic eff. of ametine in rats (Cz))

LENFELD, J.; KROUTIL, M.

Attempted demonstration of the effect of apomorphine in inflammation in rats. Cesk. fysiol. 7 no.5:501-502 Sept 58.

1. Farmakologicky ustav lek. fak. PU, Olomouc.
(INFLAMMATION, exper.
eff. of apomorphine in rats (Cz))
(APOMORPHINE, effects,
on exper. inflamm. in rats (Cz))

V

Country : CZECHOSLOVAKIA

Category: Pharmacology. Toxicology. Cardio-Vascular Agents.

Abs Jour: RZhBiol., No 6, 1959, No 27781

Author : Lenfeld, J.; Kroutil, M.; Kroutilova-Holanova, J.

Inst : -

Title : Quercetin and Cardiotonics.

Orig Pub: Scripta med., 1958, 31, No 1-2, 19-28

Abstract: Experiments on isolated heart of frog demonstrated that quercetin (I) potentiates cardiotonic action of r-strophantidin or glycosides of Digitalis lanata. In experiments on rabbits, I increases the toxic action of k-strophanthin. Application of I in guinea pigs for the duration of 3 days before the experiment increases the toxicity of strophanthin by 32%. - From the author's resume

Card : 1/1

V-27

LENFELD, J.

Effect of rat's age and sex on the course of inflammation and on phenylbuta-zone sensitivity. Cesk. fysiol. 8 no.2:133-134 Mar 59.

1. Predneseno na schuzi Cs. biologicke spolecnosti, poboicky v Olomouci,
dne 9. na 1958.

(PHENYLBUTAZONE, effects,

eff. of age & sex on antipyretic eff. in rats (Cz))

(AGING, eff.

on phenylbutazone sensitivity in rats (Cz))

LENFELD, J.

Analysis of the mechanism of action of caffein in acute and sub-
acute phases of formalin inflammation. Cesk. fysiol. 8 no.3:219-220
Apr 59.

1. Farmakologicky ustav lek. fak. PU, Olomouc Predneseno na III.
fysiologickych dnech v Brne dne 14. 1. 1959.

(INFLAMMATION, exper.

eff. of caffein (Cz))

(CAFFEIN, eff.

on exper. inflamm. (Cz))

LENFELD, J.; KROUTIL, M.; BOČEK, M.; ČTVRTNIK, J.; MAYER, J.

Toxicity and anti-inflammatory effects of chlorocrotylpnazolidine.
Cesk. fysiol. 9 no.1:87-88 Ja 60.

1. Farmakologicky a histologicky ustav lek. fak. PU a Farmakon, n.p.,
Olomouc.

(PHENYLEUTAZONE, rel. cpds.)

KROUTIL, M.; LAFELD, J.; CTVRTNIK, J.; MAYER, J.

Anti-inflammatory activity of new trasentin derivatives. Cesk.
fysiol. 9 no.3:294-295 My '60.

1. Katedra farmakologie lek. fak. PU a Farmakon n.p., Olomouc.
(PARASYMPATHOLYTICS pharmacol)
(INFLAMMATION exper)

LENFELD, J.; SLADKOVA, O.; GRUNDMAN, M.

On the mechanism of the inhibition of inflammatory swelling by
caffeine with special reference to serotonin. Cesk.fysiol. 9
no.3:296 My '60.

1. Katedra farmakologie lek. fak. PU. Olomouc.
(CAFFEINE pharmacol)
(SEROTONIN pharmacol)
(INFLAMMATION exper)

VYKYDAL, Miroslav; LENFELD, Jiri

Our experience with antimarialials in rheumatology, Clinical part.
Cas.lek.cesk. 99 no.29:1075-1079 19 Ag'60.

1. Interni klinika lekarske fakulty PU v Olomouci, prednosta prof.
dr. P.Lukl, Farmakologicky ustav lekarske fakulty PU v Olomouci,
prednosta doc.dr. J.Lenfeld.
(ARTHRITIS RHEUMATOID ther)
(ANTIMALARIALS ther)

LENFELD, J.

On mesenteric vascular occlusion. Cesk. gastroent. 16 no.2:139-146
Mr '62.

1. II. interni klinika LFH KU v Praze, prednosta prof. dr. Jiri Syllaba.
(MESENTERIC VASCULAR OCCLUSION)

CZECHOSLOVAKIA

J. LENFELD, O. SLADKOVA and M. GRUNDMAN, Department of Pharmacology of Medical Faculty of Palacky University (Farmakologicky ustav lekarske fakulty Palackeho University) Head (prednesta) Docent Dr J. LENFELD, Olomouc.

"Mechanism of Inhibition of Inflammatory Edema by Caffeine with Regard to Serotonin."

Prague, Casopis Lekaru Ceskych, Vol 102, No 20, 17 May 63; pp 554-558.

Abstract [English summary modified]: Studies in vitro (caffeine antagonism of serotonin-induced contraction of rat ileum) and in rats, administering caffeine and epinephrine s.c. either in loco (planta pedis) or dorsum after subplantar injection of dextran, formalin or serotonin to induce edema. Results indicate that caffeine inhibits edema not by serotonin antagonism but a regulatory process probably involving catecholamines. Six graphs; 1 Soviet, 5 Czech and 6 Western references.

1/1

L 13249-66 EWA(j)/EWA(b)-2 RO
ACC NRI AF6006041

SOURCE CODE: CZ/0053/65/014/004/0293/0294

AUTHOR: Grundman, M.; Lenfeld, J.

ORG: Department of Pharmacology, Medical Faculty, Palacky University, Olomouc
(Katedra farmakologie lek. fak. UP)

TITLE: Clarifying the antagonism of some antirheumatic drugs to the effect of neostigmine on the masseter muscle in rats [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 29 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 293-294

TOPIC TAGS: rat, pharmacology, drug effect, myology

ABSTRACT: Study on rat masseter muscle in vitro using chloroquin, phenylbutazone and neostigmine indicates that the effect of the anti-inflammatory drugs on skeletal muscles involves factors other than cholinesterase or anticholinesterase. Orig. art. has: 1 figure. [JPRS]

Sub Code: 06 / Subm Date: none / ORIG REF: 001 / OTH REF: 003

Card 1/1

L 13575-66

ACC NR: AP6006058

SOURCE CODE: CZ/0053/65/014/004/0301/0302 JA 8

AUTHOR: Lenfeld, J.; Jezdinsky, J.; Dusek, J.

ORG: Department of Pharmacology and Pathological Anatomy, Medical Faculty, Palacky University, Olomouc (Katedra farmakologie a patologické anatomie lék. fak. UP)

TITLE: Effect of caffeine, reserpine and apomorphine on inflammatory changes in rats with damaged adrenal medulla [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 29 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 301-302

TOPIC TAGS: drug effect pharmacology, nervous system drug, rat

ABSTRACT: In rats who were surgically or chemically (ethanol) adreno-medullectomized, caffeine, reserpine and apomorphine has less of an anti-exudative effect; even reverted. Thus, adrenomedullary catecholamines rather than serotonin, as stated by others, are apparently mediators of anti-exudative effect of reserpine. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

jw

Card 1/1

KNYAGININ, G.; LENGA, V.

Selecting the most satisfactory size and shape of riser depending
on the solidification time length of the casting. Lit. proizv.
no. 5:32-36 My '61. (MIRA 14:5)
(Foundry)

LENGAUER, G. G.

168T4

USSR/Astronomy - New Instruments Photometer Sep/Oct 50

"Dawn Photometer With Star-Shaped Image," G. G. Lengauer, Natural Sci Inst imeni P. F. Lesgaft, Lab of Astrophys

"Astron Zhur" Vol XXVII, No 5, pp 315-319

Describes portable photographic photometer for measuring surface brightness, mainly at dawn and twilight. Photometer is based on use of "ocular pupil" method, in which pupil diameter is selected by comparison with resolving capacity of photoemulsion. Includes photograph of apparatus.

168T4

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81766
S/035/60/000/02/08/009

3.2/00

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 2,
p. 79, # 1630

AUTHOR: Lengauer, G. G.

TITLE: On the Method of Precise Photographic Determinations of Artificial
Satellite Positions

PERIODICAL: Byul. st. optich. nablyudeniya iskusstv. sputnikov Zemli, 1959,
No. 6, pp. 6-7

TEXT: A device is proposed for photographic determinations of the position of a satellite, corresponding to a definite instant. Two thin filaments are stretched at a certain distance from one other, near the focal plane of the camera. Their direction is approximately perpendicular to the direction of the satellite image motion. The third filament, parallel to the first two, is shifted uniformly between them toward the motion of the satellite image. During its displacement, at definite instants the contacts are closed which produce marks on the chronograph. The satellite leaves a track on the photoplate, with interruptions where its image crossed the filaments. The position of the

Card 1/2

81766

S/035/60/000/02/08/009

On the Method of Precise Photographic Determinations of Artificial Satellite Positions

interruption in the track of the movable filament is determined in relation to the stars. The time instant, corresponding to this position of the satellite, is determined from the relative positions of the three interruptions and chronograph marks. The described method can also be applied in photographing weak satellites, when the motion is imparted to the camera or the photoplate in direction of the satellite motion. In this case, interruptions due to filaments will appear also in the stellar tracks. The accuracy of the method thereby is reduced.

A. M. Lozinskij

X

Card 2/2

88941

S/035/61/000/001/018/019
A001/A001

3.2100 (1057,1080,1168)

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1961, No. 1,
p. 72, # 1A520

AUTHOR: Lengauer, G.S.

TITLE: On Possibility of Night-Time Visual Observations of Artificial Sputniks

PERIODICAL: "Izv. Gl. astron. observ. v Pulkove", 1960, Vol. 21, No. 6, pp. 83-
113 (Engl. summary)

TEXT: The author proposes to mount on artificial sputniks so-called cataphotes ("katafot") which are optical systems with a property of reflecting the light incident on them back to the source of the light. By illuminating a sputnik with a powerful projector, it is possible, under certain conditions, to see a star-like spot formed by the cataphote of the sputnik. The observer, however, has to stay close to the projector, and this leads to the necessity of observing the spot on the bright background of the projector beam. The author performs calculations of the background brightness, formed by the projector beam under various observation conditions, on the basis of the recent published data. He finds the correspondence 

Card 1/2

88941
S/035/61/000/001/018/019
A001/A001

✓

On Possibility of Night-Time Visual Observations of Artificial Sputniks

ponding limiting stellar magnitudes of a luminous point which is still visible on this background. To detect the sputnik, a sufficiently wide projector beam should be used, for which purpose the projector is somewhat defocused. At a candle power of the projector amounting to 10^{10} candles and a beam width of 5° , one can hope to observe the sputnik with an AT-1 telescope up to distances of 500 km. By means of a focused beam, the sputnik can be observed at distances up to 1,500 km, but it is necessary to have an accessory for a sufficiently exact guiding of the projector to the sputnik. Photographic observations are also possible.

Author's summary

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

MEL'NIKOV, O.A.; LENGAUER, G.G.; STOYANOVA, K.T.; GERASHCHENKO, A.N.

Selection of stars for guiding a long-focus telescope.
Izv. GAO 24 no.1;81-98 '64.

(MIRA 18;3)

LENGAVER, G. G.

19

PHASE I BOOK EXPLOITATION SOV/5575

Akademiya nauk SSSR. Astronomicheskiy sovet.

Byulleten' stantsiy opticheskogo nablyudeniya iskusstvennykh sputnikov Zemli, no. 6. (Bulletin of the Stations for Optical Observation of Artificial Earth Satellites. No. 6) Moscow, 1959. 23 p. 500 copies printed.

Sponsoring Agency: Astronomicheskiy sovet Akademii nauk SSSR.

Resp. Ed.: Ye. Z. Gindin; Secretary: O. A. Severnaya.

PURPOSE : This bulletin is intended for scientists and engineers concerned with optical tracking of artificial satellites.

COVERAGE : The bulletin contains 9 articles which present the results of satellite observations, and describe methods and specific equipment used for photographic observation of earth satellites. An appendix contains a listing of 84 Soviet satellite observation stations with station number. No personalities.

Card 1/6

Bulletin of the Stations (Cont.)

SCV/5575

are mentioned. There are no references.

TABLE OF CONTENTS:

Panova, G. V., T. Ye. Syschenko, B. A. Firago, and D. Ye. Shchegolev [Glavnaya (Pulkovskaya) Astronomicheskaya obser- vatoriya AN SSSR - Main (Pulkovo) Astronomic Observatory of the Academy of Sciences of the USSR]. Observations of the Second Artificial Earth Satellite (1957 B) at Station No. 039 (Pulkovo) (Observations: B. A. Firago, D. D. Polozhentsev, G. V. Panova, N. M. Bronnikova. Measurements and Calculations: T. Ye. Syschenko, G. V. Panova, D. Ye. Shchegolev, B. A. Firago, and T. P. Kiseleva)

Lengauer, G. G. [Main (Pulkovo) Astronomic Observatory of the Academy of Sciences of the USSR]. On Methods for Precise Photo- graphic Determinations of the Positions of Artificial Earth Satel- lites

Card 2/6

Bulletin of the Stations (Cont.)

SOV/5575

Klimenko, I. Ye., and B. D. Fomenko [Stalingradskaya stantsiya nablyudeniya ISZ - Stalingrad Satellite Tracking Station] On Some Problems in the Method of Satellite Observation

8

Khusainov, S. Kh., and Sh. Karatayev [Stantsiya nablyudeniya ISZ pri Kzy¹ - Ordinskoye gos. pedinstitute - Satellite Tracking Station at the Kzy¹ - Orda State Pedagogical Institute]. Table of the Conversion of Horizontal Coordinates Into Equatorial Coordinates

10

Eynasto, Ya., and U. Veysmann [Institut fiziki i astronomii AN ESSR - Stantsiya nablyudeniya sputnikov pri Tartuskom gos-darstvennom universitete - Institute of Physics and Astronomy of the Academy of Sciences of the Estonian Soviet Socialist Republic. Satellite Tracking Station at Tartu State University]. Preliminary Results of Using Automatic Recording in Theodolite Satellite Observations

11

Zatsiorskiy, L. M. [Main (Pulkovo) Astronomic Observatory]. Modifi-

Card 3/6

Bulletin of the Stations (Cont.)

SOV/5575

cation of the NAFA-3s/25 Photographic Camera at Pulkovo

13

Firago, B. A. [Main (Pulkovo) Astronomic Observatory]. Systematic Errors in the Readings of Hundreds of Seconds of Printing Chronographs (21-II Nos. 001, 011, 045 - 1954; 143, 146, 199 - 1957; 235 - 1958)

15

Romero, G. [Santiago Astronomic Observatory of the University of Chile]. On the Illumination of an Artificial Satellite

16

Results of Photographic Observations of Artificial Earth Satellites

18

a. Urasin, L. A., L. L. Andriyevskaya, L. K. Kulikova, and Kh. Shakirova [Astronomicheskaya observatoriya im. Engel'gardta, Kazan' Astronomic Observatory imeni Engel'gardt, Kazan']

13

b. Kalikhevich, F. F., and T. Ya. Ivakina [Nikolayevskoye otdeleniye GAO AN SSSR - Nikolayevsk Department of the Main Astronomical Observatory of the Academy of Sciences

Card 4/6

19
Bulletin of the Stations (Cont.)

SOV/5575

- of the USSR]
- c. Kalikhevich, F. F. Corrections of the Universal Time of Photographic Satellite Observations in the Above Department, Published in the Bulletin of Optical Satellite Tracking Stations No. 2 19
 - d. Klimishin, I. A. [Head of the Tracking Station of the Astronomical Observatory of the L'vov State University imeni I. Franko] [Astronomicheskaya observatoriya L'vovskogo gosuniversiteta im. I. Franko. Astronomic Observatory of L'vov University im. I. Franko] (Methods used: Deych and Kayzer. Observers: K. F. Vavrinyuk, I. V. Shpichka, L. F. Lutsiv-Shumskiy. Measurements: A. A. Kopystyanskiy, and L. F. Lutsiv-Shumskiy.) 20
 - e. Bratiychuk, M. V. [Head of the Tracking Station, Uzhgorod State University] [Uzhgorodskiy gosuniversitet - Uzhgorod University.] (Calculator: Shvalagin) 21
 - f. Russo, Yu. D., and P. I. Chuprina. Odessa Astronomical Observatory. (Methods used: Deych and Tsesevich. Observer: V. V. Grek) 22
- 23

Card 5/6

L 15318-66 EWT(1) GS/GW
ACC NR: AT6003702

SOURCE CODE: UR/0000/65/000/000/0005/0009

AUTHORS: Mel'nikov, O. A. (Corresponding member AN SSSR); Lengauer, G. G.;
Kuprevich, N. F.

ORG: none

TITLE: Astronomical chromatic refraction in connection with guiding large telescopes

SOURCE: AN SSSR, Astronomicheskiy sovet, Opticheskaya nestabil'nost' zemnoy atmosfery (Optical instability of the earth's atmosphere). Moscow, Izd-vo Nauka, 1965, 5-9

TOPIC TAGS: light refraction, astronomy, astronomic telescope, spectrophotometric analysis

ABSTRACT: It is shown that refraction at a given wavelength--"chromatic refraction"-- depends ultimately on the standard air refractive index. The latter is not easily measured, however, and determinations by different authors vary widely. The refraction of a given star depends on the energy distribution in its spectrum and on the spectral sensitivity of the radiation detector. It is best to use isophotic wavelengths, and these have been computed for a number of temperatures, along with spectrophotometric gradients. The formula for computing these gradients is given. By knowing deviations in the gradients, deviations in isophotic wavelengths may be computed, hence the corresponding refractive index, and thus the chromatic refraction.

Card 1/2

2

Card 2/2 BN

LENGAUER, N. A.

"External Mechanization of Pulp Lines in Dredging Installations Using the Repeated Vibration Method." Cand Tech Sci, Leningrad Inst of Water Transport Engineers, Leningrad, 1954. (iZhmekh, Feb 55)

SO: Sum. No. 631, 26 ug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

LENGAUER, N.A.; ZIL'BERMAN, D.B.; YANOVSKIY, A.D.; KAMENETSKAYA, I.Ya.; KRASHENINNIKOVA, N.G.; CHECHIK, E.A.; NEYMAN, B.G.; KORKUSHKO, O.V.

Organization and first results of the work of a specialized team
to control thrombotic complications in Kiev. Vrach.delo no.1:108-
109 Ja '63. (MIRA 16:2)

1. Kiyevskaya stantsiya skoroy meditsinskoy pomoshchi.
(KIEV—THROMBOSIS) (KIEV—EMBOLISM)

SHTRAUS, Kh.; LENGEL, I.; FRICH, T.

Influence of air pollution from cement dust on the body and
public health. Trudy LSGMI no. 58: 102-112 '60. (MIRA 14:11)
(RUMANIA--AIR POLLUTION) (RUMANIA--PUBLIC HEALTH)

KUPCHA, S.; SHTRAUS, Kh.; LENGEL', I.; DELYANU, M.; KOMES, V.

Sanitary and hygienic study of air pollution in the city of T. of
the Rumanian People's Republic. Trudy LSGMI no. 58:113-116 '60.
(MIRA 14:11)

(RUMANIA—AIR POLLUTION)

NIIRI, L.; LENGEL', Z.L.

Effect of phenylacetic acid and sunflower oil on penicillin bio-synthesis. Antibiotiki 10 no.5:396-401 My '65.

(MIRA 18:6)

I. Farmatsevticheskiy zavod "Biogal", Debretsen, Vengriya.

LENGELIE, H.

AGRICULTURE

periodicals: PRZEGLAD ZEWNĘTRZNY MIESZCZ. Vol. 3, no. 1, Jan. 1959

LENGELIE, H. Investment in the food industry in the Western

countries. p. 11.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

LENGER, V., inz., dr.; STARCUK, Zenon; KUTZENDORFER, Jaroslav

Radioactive aerosol concentration measurement by the methods of
filtration and of electrostatic precipitation. Jaderna energie 3
no.10:306-307 0 '57.

1. Ustav hygieny prace a chorob z povolani, Praha (for Lenger).
2. Ustav jaderne fysiky, Ceskoslovenska akademie ved, Praha (for Starcuk and Kutzendorfer).

LENGER, V.

Current problems in radiation dosimetry and health physics.
Cas.lek. cesk. 103 no.1:7-10 3 Ja'64.

Limitations of isotope renography in the diagnosis of renal
artery stenosis.. Ibid. 11-14 .

1. Ustav klinicke a experimentalni chirurgie v Praze; reditel:
prof.dr.B.Spacek, DrSc.

*

LENGER, Vladimir

Present state of production and distribution of medical radioactive substances at the Radiochemical Center in Amersham. Jaderna energie 10 no.10:381 O '64.

1. Institute of Industrial Hygiene and Occupational Diseases,
Prague.

LENGER, Vladimir, J.; KOCA, Ladislav

New type of an electroprecipitator. Pracovni lek. 6 no.6:354
15 Nov 54.

1. Ustav higiene prace a chorob z povolani = Praha.

(APPARATUS AND INSTRUMENTS
electric precipitator)

LENGER, V. ; MATOUSEK, V.

Thermoelectroprecipitator; preliminary communication. p. 555

CHEMICKE LISTY (Ceskoslovenska akademie ved. Ceskaslovenska spolecnost chemicka) Praha, Czechoslovakia. Vol. 49, no. 4, Apr. 1955

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1/ Jan 1960
Uncl.

LENGER, V. J.

Aerosols in control of dust in working establishments. Pracovni
lek. 8 no. 1: 53-6 Jan 56.

1. Ustav hygieny prace a chorob z povolani. Praha.
(DUST,
control with aerosols (Cz))
(AEROSOLS,
dust control in indust. (Cz))

LENGER, V.

LENGER, V. Electrostatic precipitator adapted for use at high rates of flow. p. 145 Vol. 50 no. 1, Jan. 1956 CHEMICKE LISTY.
PRAHA. CZECHOSLOVAKIA

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL. 6 NO 4 April 1957

Lenger, V. J.

Czechoslovakia/Fitting Out of Laboratories -- Instruments, Their Theory, Construction, and Use, H

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1345

Author: Lenger, V. J.

Institution: None

Title: An Electrostatic Precipitator for High-Speed Sampling

Original
Periodical: Chem. listy, 1956, Vol 50, No 1, 146-148; Czech

Abstract: An apparatus is described permitting the sampling of aerosols, gases, and vapors even at high flow rates (10-25 m/sec). The flow through the sampling inlet is maintained equal to that of the surrounding stream.

Card 1/1

LENGER, V.

Notes on Starcuk-Kutzendorfer's article "Measurements of the Concentration of Natural Radioactive Aerosol by Means of the Filtration Method and the Electrostatic Precipitation Method."

p. 306 (JADERNA ENERGIE) Vol. 3, no.10, Oct. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

LENGER, V.J.

5801. Influence of shape of dust particles on rate of phagocytosis
In vitro. A. Lengerova, V. J. Lenger, M. Esdova, R. Tuscani,
and M. Valfova. *Brit. J. Biophys. Med.* 1957, 14, 43-46 (Dept
of Biophysics Inst. Industrni Hyg. Prague, Czechoslovakia) - Rate
of phagocytosis by macrophages from chicken liver showed that
"rounded" (spherical) particles are more easily consumed than
"long" (cylindrical) ones. J. D. P. GRAHAM

LENGER, V.J.

Dosimetry of discrete and internally administered radioisotopes.
Neoplasma, Bratisl. 6 no.3:280-294 1959

1. Institute of Industrial Hygiene and Occupational Diseases,
Prague, CSR.
(RADIOMETRY)

LENGER, V.J.

Ionization chambers for use in treatment with radioactive substances.
Neoplasma, Bratisl. 6 no.4:409-414 1959.

1. Institute of Industrial Hygiene and Occupational Disease, Prague,
CSR.
(RADIOTHERAPY equip. & supply)

LENGER, Vladimir J.; KUDRNA, Jan

Type and degree of hazard in modern workshops utilizing radio-luminescent substances. Pracovni. lek. 11 no.7:364-367 S '59.

1. Ustav hygieny prace a chorob z povolani v Praze; Hygienicko-epidemiologicka stanice UNV v Praze.
(LUMINESCENCE)
(RADIATION INJURY etiol)

21.6000

24149
Z/038/61/000/007/001/001
D219/D303

AUTHORS: Lenger, Vladimír, and Matoušek, Vladimír

TITLE: Pressure ionization chamber for dose rate measurement
of local gamma radiation

PERIODICAL: Jaderná energie, no. 7, 1961, 234 - 238

TEXT: The article describes the design and characteristics of pressure ionization chambers, and their advantages for local rate measurement. The term local gamma radiation is misleading as it includes, apart from gamma rays, radiations arising from the influence of the primary radiation on the surrounding materials, retardation beta rays, and secondary electrons. The intensity of the local radiation varies from $3.1 \mu\text{r}/\text{hr}$. (in lime rock) to $21 \mu\text{r}/\text{hr}$. and over (in uranium rock). Measurement by pressure ionization chamber has the following advantages: 1) One can use a quantity of gas which would make a normal ionization chamber very large; 2) One can use a much smaller electrode surface for a given quantity of

Card 1/4

24149
z/038/61/000/007/001/001
D219/D303

Pressure ionization ...

gas resulting in a much better ratio of ionization current/electron emission; 3) The pressure ionization chamber does not work in the saturation region: as the pressure rises and the static field falls the recombination along the α -ray path rises much faster than the agglomeration along the β -ray and secondary electron paths. Fig. 3 gives the dependence of saturation of α particles in polonium at 10 atmospheres pressure on the intensity of the electromagnetic field. Values for 3 given intensities of electromagnetic field are also given; 4) The measuring arrangement is very simple, the electrometer is used as a zero indicator; the ionization current is much greater than the insulation current. The disadvantage of the pressure chamber is its size, and low efficiency in the case of low energy protons (Below 150 keV). A ball shape was selected for the chamber mainly because the radiation comes from many directions, it is also the best from the strength point of view. The volume (capacity) is 14 liters. The chamber was tested to 26 atm. pressure, was cleaned with steel balls, washed with alcohol, and nitrogen. A manometer is permanently connected as a indicator of tightness. The

Card 2/4

24149

Z/038/61/000/007/001/001
D219/D303

Pressure ionization ...

electrometer can be covered with a polythene bag in case of damp surroundings. The whole chamber weighs 12 kg. It is suggested that a miniature electronic voltmeter fixed to the chamber would be the most suitable arrangement; the authors did not have such an instrument and used a Wulf-electrometer. To be able to measure local radiation, it is of course necessary to know the instruments' reading when this local radiation is absent. The best way to do this is a steel cubicle with a wall thickness of 25 cm. In the laboratory the value for the local radiation was $7 \mu\text{r}/\text{hr}$. By repeated experiments it was found that an intensity of $2 \mu\text{r}/\text{hr}$. could be measured with a variation of 10 % at a pressure of 10 atmospheres. There are 9 figures and 10 non-Soviet-block references. The references to the 4 most recent English-language publications read as follows: B. Hultqvist, Studies on Naturally Occurring Ionizing Radiations, Stockholm, 1956; R. Sievert, The Exposure of Man to Ionizing Radiations, U.N. General Assembly, A, 31. Jan. 1957; G.J. Hine, G.I. Brownell, Radiation Dosimetry, New York 1956, 179-184; P.J.R. Burch, Suppl. Brit. Inl. Rad. 7, 20, 1957. X

Card 3/4

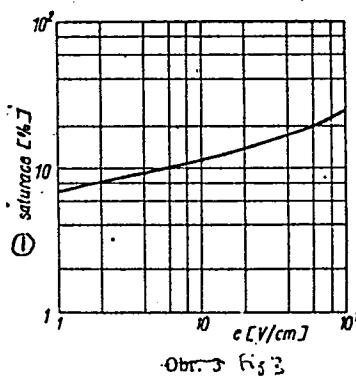
Pressure ionization ...

21149
Z/038/61/000/007/001/001
D219/D303

ASSOCIATION: Ústav hygieny práce a chorob z povlání, Praha (Institute for Work Hygiene and Occupational Diseases, Prague)

Fig. 3.

Legend: 1 - Saturation [%].



Card 4/4

s/058/62/000/006/010/136
A061/A101

AUTHOR:

Lenger, V. J.

TITLE:

Description of a technique for measuring atmospheric radioactivity
and for separating radioactive aerosols

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 6, 1962, 17, abstract 6B117
("Zdravotni techn. a vzduchotechn.", 1961, v. 4, no. 2, 55 - 61,
Czech; Russian and English summaries)

TEXT: The layout of an apparatus is described, which is intended for the continuous control of atmospheric radioactivity, and also for separating, and measuring the concentration of, radioactive aerosols and gases on large-scale nuclear plants and in hot laboratories. The measuring part of the apparatus ensures sufficient sensitivity to determine the maximum admissible concentration of most of the more widespread radioisotopes. Aerosols are separated with polarized electrical filters in the passage of the radioactive medium through special electrical receivers. Polarized electrical filters are made from a porous dielectric (in the form of a glass fabric or a glass-fiber packing), con-

Card 1/2

Description of a...

S/058/62/000/006/010/136
A061/A101

taining a spiral or grid-like conductive electrode. If the potential on this electrode is sufficiently high, the surface of the dielectric is polarized and, as experiments have shown, it appears as a very efficient filter for the majority of aerosols that have been previously ionized by an auxiliary field. It is noted that polarized electrical filters present important advantages as compared with similar mechanical, centrifugal, or electrostatic devices. The filters under consideration offer a considerably greater efficiency, a large throughput capacity, a reliable operation in separating both finely and coarsely dispersed media, and are suited for continuous operation.

P. Sosenko

[Abstracter's note: Complete translation]

Card 2/2

LENGEROVA, A.

Inequality of cells produced by the fission of the mother cell.
Chekh. biol. 2 no.1:18-28 Ap '53. (MLRA 7:2)

1. Biologicheskiy institut ChSAN, radiobiologiya, Praha. (Cells)

LENGROVA, A.; MATOUSEK, V.

Difference of reaction to irradiation in daughter cells from the
same mother cell. Chekh. biol. 3 no.3:155-167 Aug 54.

1. Institut biologii ChSAN, radiologia, Praga.

(CELL DIVISION,

Mesotaenium caldariorum, variation of response to
ionizing radiation of daughter cells)

(ALGAE,

Mesotaenium caldariorum cell division, variation of
response to ionizing radiations of daughter cells)

(RADIATIONS, effects,

ionizing radiations on Mesotaenium caldariorum daughter
cells, variability of response)

LENGEROVA, A.

Method of evaluation of the effect of ionizing irradiation of
microorganisms. Fol.biol., Praha 1 no.1:54-61 2 Feb. 55

1. Biologicheskiy institut ChSAN, radiobiologiya, Praga
(PROTOZOA,

Tetrahymena gelcii, eff. of ionizing radiations,
method of evaluation of eff.)
(RADIATIONS, effects,
ionizing, on tetrahymena gelcii, method of evaluation
of eff.)

NOUZA, K.; MENGEROVA, Alena

Specific features of the outcome of transplantation of foreign haematopoietic and lymphoid cells in the middlethal irradiation range. Folia biol. (Praga) 11 no.1:17-33 '65

I. Institute of Experimental Biology and Genetics, Czechoslovak Academy of Sciences, Prague.

GASHEK, M.; LENGEROVA, A.; MATEROVNA, E.

Analysis of the role of blood cells in experimental investigations
on failure of skin homotransplantation in warm-blooded animals.
Fol.biol., Praha 1 no.5:319-320 Oct 55.

1. Biologicheskiy institut CMSAN, eksperimental'naya biologiya
i genetika, Praga.
(SKIN TRANSPLANTATION, experimental,
eff. of erythrocyte suspension in chick embryo on
homografts)
(ERYTHROCYTES,
eff. of erythrocytic suspension on skin homografts in
chick embryo)

LENGEROVA, Alena

Method of investigations of the effect of ionizing radiations on
microorganisms. Cesk. biol. 4 no.1:45-52 Jan 55.

1. Biologicky ustav CSAV, radiobiologie, Praha.

(MICROBIOLOGY,

microorganisms, eff. of ionizing radiations,
technic of investigation)

(RADIATIONS, effects,

on microorganisms, technic of investigation)

LENGEROVA, A.: ZELENY V

Biological protection against ionizing radiation. I.
Protective effect of embryonic tissues. p. 343.

CESKOSLOVENSKA BIOLOGIE. (Ceskoslovenska akademie ved.
Biologicky ustav) Praha.

Vol. 4, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library
of Congress. Vol. 5, No. 1, January 1956.

ESSLOVA, Marta; LENGEROVA, Alena

Effect of the composition of medium used in exposure of
tissue culture to roentgen rays. Cesk. biol. 4 no.6:358-361
June 55.

1. Biologicky ustav CSAV, experimentalni biologie, Praha.
(ROENTGEN RAYS, effects,
on tissue culture, eff. of culture medium on reaction)
(TISSUE CULTURE, effect of radiations on,
x-ray, eff. of culture medium on reaction)

HASEK, Milan; LENGEROVA, Alena; MATEROVA, Eva

Analysis of the role of blood cells in experimental overcoming
of intolerance to cutaneous homografts in warm-blooded animals.
Cesk. biol. 4 no.9:564-565 Oct 55.

1. Biologicky ustav CSAV, experimentalni biologie a genetika
Praha.

(ERYTHROCYTES,
in exper. skin transpl., role in overcoming of
intolerance to homografts)

(SKIN TRANSPLANTATION, experimental,
erythrocytes in overcoming of intolerance to
homografts)

COUNTRY	: CZECHOSLOVAKIA
CATEGORY	: General Problems of Pathology. Immunity
ABS. JOUR.	: RZBiol., No. 12 1959, No. 56215
AUTHOR	: Hasek, M., Lengerova, A., Majer, J., Maternova, E.
INST.	: -
FILED	: The Role of Cells in the Process of Apposition
ORIG. PUB.	: Ceskosl. Biol., 1959, Vol. 4, No. 10, 627-630
ABSTRACT	: no abstract
CARD:	: 1/1

CZECHOSLOVAKIA / Human and Animal Physiology (Normal and Pathological); Blood.

T-4

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60174

Author : Hraba, T.; Haskoya, V.; Lengerova, A.; Vojtiskova, M.

Inst : Not given

Title : Effect of Intraembryonic Injection of Heterogeneous Blood on Antibody Formation

Orig Pub : Coskosl. biol., 1956, 5, No 1, 1-4

Abstract : Chickens injected with the blood of turkeys, guinea-hens, and ducks in the course of their embryonic development showed no changes in the formation of agglutinins and precipitins. -- L. N. Dayneko

Card 1/1

CZECHOSLOVAKIA / Human and Animal Physiology. The Action of
Physical Factors.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70653

Author : Lengerova, Alena

Inst : Not given

Title : The Lethal Effects of Intrauterine Irradiation of Rats
as a Function of the Stage of Growth at the Moment of
Exposure

Orig Pub : Ceskosl. biol., 1957, Vol 6, No 4, 276-286

Abstract : Rat embryos were irradiated with doses of 200-400 r in
one of five stages between the seventh and the fifteenth
day of intrauterine life. The radiosensitivity was de-
termined by the degree of lethal effect. Intrauterine
death of the entire litter was seen following irradiation
in stages from one through four. The greatest lethal
effects on those surviving until birth were seen following

Card 1/2

CZECHOSLOVAKIA / General Biology. Individual Development. B
Embryonic Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14379

Author : Lengerova, Alena

Inst : Not given

Title : The Effect of Intrauterine Irradiation Upon
the Morphological and Hematological Changes,
the Interrelationship of Sexes and the Body
Weight of Rats Depending Upon the Stage
of Their Development at the Time of
Irradiation

Orig Pub : Cekosl. biol., 6, No 5, 321-329, 1957

Abstract : When living young rats were examined after
the pregnant rats were irradiated by X-rays,
changes in their peripheral blood which would
indicate impairments effected by radiation

Card 1/2

CZECHOSLOVAKIA / General Biology. Individual Development. B
Embryonic Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14379

were not found. Deviations of the 1:1 head
index are not statistically reliable and
cannot therefore serve as indicators of the
radiation's effect upon sex differentiation
or upon the differentiation in the sensitivity
to radiation of the two sexes. The maximum
deviation from the normal weight effected by
radiation is observed in young rats, the
mother of which was treated with X-rays on the
13th day of pregnancy. This deviation does not
coincide with the maximum effect of lethal
radiation. -- V. A. Dorfman

EXCERPTA MEDICA Sec 2 Vol 11/7 Physiology July 58

3267. SPERMATOGENESIS IN RATS IRRADIATED DURING EMBRYONAL DEVELOPMENT - Spermatogenesa krys po ozáření v embryogeneze - Lengerová A., and Vojtěšková M. Biol. Ust. ČSAV, Exp. Biol. a Genet., Praha - CSL. BIOL. 1957, 6/5 (330-338) Tables 5 Illus. 7

The testes of 6-week-old rats which had been X-rayed with 200 r, or with an ID₉₅ on the 7th, 11th or 15th day of intrauterine development showed the following changes: Spermatogenesis was decreased after irradiation on the 15th day and either decreased or increased after irradiation on the 7th or 11th day, while a marked decrease in weight of the testis was observed in all cases. The most pronounced changes were seen after irradiation on the 15th day of gestation. These changes were also uniform, in contrast to those after irradiation at an earlier stage. It appears that the damaging effect of a given dose depends chiefly on the stage of development at which it is applied. The correlation with size of dose is less regular. With irradiation on the 7th or 11th day there is a greater individual variability, both in damage and in reparative processes.

EXCERPTA MEDICA Sec. 17 Vol. 3/10 Public Health Oct. 57

3161. LENGEROVÁ A., LENGER V.J., ESSLOVÁ M., TUSCANY R. and VOLFOVÁ
M. Dept. of Biophys. Inst. of Industr. Hyg. and Occup. Dis., Prague.

* The influence of the shape of dust particles on the rate
of phagocytosis in vitro BRIT.J.INDUSTR.MED. 1957, 14/1
(43-46) Graphs 3 Illus. 1

The rate of phagocytosis of 2 shapes of dust particles - 'long' and 'round' - was
studied in an investigation in vitro in cultures of macrophages from the spleen of
chicken embryos. The round particles were phagocytosed preferentially. This re-
sult is discussed from the standpoint of existing theories of phagocytosis as well
as from that of the relation between the rate of phagocytosis and the harmfulness
of different kinds of dusts.

EXCERPTA MEDICA Sec 16 Vol 7/2 Cancer Feb 59

570. *The problem of delayed death after transplantation of non-irradiated homologous tissue to lethally irradiated animals* K otázce pozdní smrti letálně ozářených živočichů po transplantaci neozářené homologní tkáně. LENGEROVÁ A. Biol. Úst. CSAV, Odd. Exp. Biol. a Genet., Praha Čsl. Biol. 1958, 7/4 (285-286) Graphs 1

Many cases of 'delayed death' occur in lethally irradiated animals saved by the single injection of a suspension of homo- or heterologous blood-forming cells from non-irradiated donors. These cases are explained by an in-vivo antigen-antibody reaction between the host and the homo- or heterograft of blood-forming tissue. The authors attempted to discover whether this was a reaction of the graft against the host or vice versa. It was assumed that, if delayed death is due to reaction of the homograft against the host, then this might be prevented by using embryonal blood-forming tissue for therapy, as by the use of this therapy tolerance might be induced toward the host. Mice irradiated with 900 r. were given 10^7 homologous liver cells from 18 to 20-day-old foetuses. This caused survival of 35% of irradiated animals as compared to 0% in the controls. In no case, after the administration of embryonal homologous blood-forming tissue did delayed death occur during the critical period of 4-5 weeks after irradiation, when only a temporary decrease in weight could be found.

LENGERHOVA, Alena; VOJTIŠKOVA, Marta

Postpartum reactivity of female mice to male-specific antigens.
Folia biol. no.1:21-26 '62.

1. Institute of Experimental Biology and Genetics, Czechoslovak Academy
of Sciences, Prague.
(SKIN TRANSPLANTATION experimental)

MATOUSEK, V.; LENGEROVA, Alena; VOJTIKOVA, Marta

Further observations on the sex ratio in the offspring of irradiated male birds. Folia biol. no.1:27-33 '62.

1. Institute of Experimental Biology and Genetics, Czechoslovak Academy of Sciences, Prague.
(RADIATION EFFECTS experimental) (SEX)

LENGEROVA, Alena; VOJTIKOVA, Marta

Two-step transplantation therapy in lethally irradiated mice.
Folia biol. 8 no.5:288-297 '62.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague.

(RADIATION INJURY, EXPERIMENTAL) (LIVER) (TESTIS)
(TRANSPLANTATION) (IMMUNITY) (SKIN TRANSPLANTATION)
(OVARY)

HASEK, M.; HORT, J.; LENGEROVA, Alena; VOJTIKOVA, Marta

Immunological tolerance in the heterologous system. Folia biol. 9
no.1:1-19 '63.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague.

(PARABIOSIS) (IMMUNITY) (ANTIGENS) (ERYTHROCYTES)
(TRANSPLANTATION) (SKIN TRANSPLANTATION) (BLOOD TRANSFUSION)
(BLOOD GROUPS) (HYBRIDIZATION)

LENGEROVA, Alena; VOJTIKOVA, Marta

Prolonged survival of syngeneic male skin grafts in parous C57BL mice.
Folia biol. 9 no.1:72-74 '63.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague.

(SKIN TRANSPLANTATION) (IMMUNITY) (PREGNANCY, ANIMAL)
(INSEMINATION) (SEX) (MATERNAL-FETAL EXCHANGE)

LENGEROVA, Alena; POLACKOVA, Marta

The requirements for tolerance induction in cell-grafts from
adult donors. Folia biol. 9 no.3:189-195 '63.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague.

(TRANSPLANTATION) (IMMUNITY) (CYTOLOGY)
(BONE MARROW) (LIVER)

LENGEROVA, Alena

Quantitative study on interactions of cellular grafts in mouse
radiation chimaeras. Folia biol. 9 no.3:196-202 '63.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Science, Prague.

(RADIATION INJURY, EXPERIMENTAL)
(SKIN TRANSPLANTATION)

LENGEROVA, Alena; VOJTIŠKOVA, Marta

Role of the thymus in mouse radiation chimaeras. Folia biol.
(Praha) 10 no. 3:245-249 '64

1. Institute of Experimental Biology and Genetics, Czechoslovak Academy of Sciences, Prague.

LENGEROVA, Alena

Immunological problems of radiation chimeras. Rozpravy mat CSAV
74 no.8:1-93 *64

BLATTNY, Ctibor, akademik; HASEK, Milan, doc. dr.; LENGEROVA, Alena, dr.; SVOBODA, Jan, dr.

Problems of Michurin's biology. Vest ust zemedel 11 no. 5:
200--203 '64.

1. Corresponding member of the Czechoslovak Academy of Sciences (for Hasek).

IVANOV,A.; STRUSIEVICI,B.; LENGHEL,I.

Investigations concerning the efficiency of incubation at
43°C. of enrichment media for the isolation of *Salmonella*.
Rumanian med. rev. 7 no.4:19-23 O-D'63.

*

ROMANIA

IVANOV, A., Dr; STRUSICVICI, E., Ir; and LENGELE, I., Dr.
Work performed at the RPR Institute of Hygiene and Public
Health (Institutul de Igiena si Sanatate Publica RPR),
Cluj Branch (Filiala Cluj) and at the Regional Sanepid
(Sanepidul Regional), Cluj.

"Investigations of the Efficiency of Incubating Enriched
Media at 43 Degrees Celsius with a View to the Isolation
of Salmonella."

Bucharest, Microbiologie, Parazitologie, Epidemiologie,
Vol 8, No 1, Jan-Feb 1963, pp 61-68.

Abstract [Authors' English summary modified]: As part of a
survey for the detection of *Salmonella* carriers during an
epidemic of paratyphoid B fever in an endemic typhoid-
paratyphoid region, 675 coprocultures and 70 bile cultures
were effected. Both the enriched Kauffmann-Mueller medium
and an acid sodium selenite medium were incubated at

1/2

RUMANIA

Bucharest, Microbiologia, Parazitologia, Epidemiologia,
Vol 8, No 1, Jan-Feb 1963, pp 61-68.

39 degrees Celsius and also at 43 degrees Celsius. Incubation at 43 degrees led to a higher proportion of positive results for S. typhi, S. paratyphi B and other Salmonella; it had the same efficiency in the detection of Salmonella carriers among former typhoid and paratyphoid patients as incubation at 39 degrees. Parallel coprocultures and bile cultures are recommended, with incubation of the media at 37 degrees and 43 degrees Celsius.

Contains 3 tables and 7 references, of which 2 are Rumanian, 2 Russian, 2 British and 1 German.

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(WATER SUPPLY

contamination by sewage & waste from indust. plants causing epidemics of dysentery, typhoid & paratyphoid fever, in Rumania.

(SEWAGE

contamination of river water supply causing epidemics of dysentery, typhoid & paratyphoid fever, in Rumania.

(TYPHOID FEVER, epidemiol.

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